

[0028] According to the present invention, the electronic device reports to the user that an operation input has been received by causing part of the housing different from the operating unit to vibrate by a vibration mode in accordance with the type of the operation input.

[0029] Further, the present invention provides an electronic device provided with an operating unit for receiving an operation input, a vibration generator for imparting vibration to part of a housing of the electronic device different from the operating unit, changing means for changing a value of a parameter for controlling the electronic device in accordance with operation input to the operating unit, and vibration control means for causing vibration to be generated from the vibration generator by a vibration mode linked with a value of a parameter changed by the changing means by the operation input in the case of detecting that an operation input on the operating unit changing the value of a parameter has been received.

[0030] According to the present invention, the electronic device reports to the user that an operation input changing the value of a parameter has been received by causing part of the housing different from the operating unit to vibrate by a vibration mode in accordance with the changed value of a parameter.

[0031] Further, the present invention provides an electronic device provided with an operating unit for receiving an operation input, a vibration generator for imparting vibration to the operating unit, and vibration control means for identifying a type of the operation input and causing vibration to be generated from the vibration generator by a vibration mode linked with the type of the operation input in the case of detecting that an operation input to the operating unit has been received, the vibration generator provided with a weight, a support member for supporting the weight so as to allow it to reciprocate and connected to the operating unit or a base member of the vibration generator in contact with the operating unit, and excitation generating means for imparting excitation for causing reciprocation to the weight. Further, the present invention provides a vibration-type reporting method in an electronic device comprising identifying a type of an operation input and driving a vibration generator provided in the electronic device in the case of detecting that an operation input to an operating unit has been received and having the vibration generator cause the operating unit to vibrate by causing reciprocation in a weight connected to the operating unit or a base member of the vibration generator in contact with the operating unit.

[0032] According to the present invention, the electronic device reports to the user that an operation input has been received by causing an operating unit to vibrate by a vibration mode in accordance with the type of the operation input.

[0033] Further, the present invention provides an electronic device provided with an operating unit for receiving an operation input, a vibration generator for imparting vibration to the operating unit, changing means for changing a value of a parameter for controlling the electronic device in accordance with operation input to the operating unit, and vibration control means for causing vibration to be generated from the vibration generator by a vibration mode linked with the value of a parameter changed by the changing means by the operation input in the case of detecting that an

operation input on the operating unit for changing the value of a parameter has been received, the vibration generator provided with a weight, a support member for supporting the weight so as to allow it to reciprocate, and connected to the operating unit or a base member of the vibration generator, and excitation generating means for imparting excitation for causing the weight to reciprocate.

[0034] According to the present invention, the electronic device reports to the user that an operation input changing a value of a parameter has been received by causing an operating unit to vibrate by a vibration mode in accordance with the changed value of a parameter.

[0035] Further, the present invention provides an electronic device provided with an operating member for causing a value of a parameter for controlling the electronic device to change continuously, a vibration generator for imparting vibration to a user, changing means for changing the value of a parameter based on an amount of operation of the operating member, and vibration control means for causing vibration to be generated from the vibration generator by a vibration mode linked with a value of a parameter changed by the changing means by the operation in the case of detecting that an operation input of the operating member has been received.

[0036] According to the present invention, the electronic device reports to the user that operation of the operating member continuously changing the value of a parameter has been received by a vibration mode in accordance with the changed value of a parameter.

[0037] Further, the present invention provides an electronic device provided with an operating unit for receiving an operation input and detecting a level of pressure of the operation input, a vibration generator for imparting vibration to a user, and vibration control means for causing vibration to be generated from the vibration generator by a vibration mode linked with the level of pressure of the operation input detected by the operating unit in the case of detecting that an operation input to the operating unit has been received.

[0038] According to the present invention, the electronic device reports to the user that an operation input has been received by a vibration mode in accordance with the level of pressure of the operation input.

[0039] Further, the present invention provides an electronic device provided with an operating unit for receiving an operation input, sound producing means for imparting an audio report to a user, a vibration generator for imparting vibration to the user, and report control means for reporting to the user that an operation input has been received using at least one of the sound producing means and the vibration generator designated by the user in advance in the case of detecting that an operation input to the operating unit has been received. Further, the present invention provides a report control method in an electronic device comprising reporting to a user that an operation input has been received using at least one of sound producing means for imparting an audio report to the user and a vibration generator imparting vibration to the user designated by the user in advance in the case of detecting that an operation input to the operating unit has been received, the sound producing means and the vibration generator being provided in the electronic device.